

EXPRESSION OF INTEREST FORM

(For members seeking reappointment to a City of Rockville Board or Commission)

Name: Dominique Lorang-Leins

Address:

Home Phone Number: | Work Phone Number:

Email address: _____

(Note: Work phone numbers are only for staff use)

Name of current Board (or Commission): Rockville Environment Commission

Please complete the following:

How long have you served on this Board or Commission? 5 months. I had an opportunity to fill in a sudden vacancy from the commission available at the beginning of the year.

Why do you wish to be considered for reappointment by the Mayor and Council? Since I have only been on the board for several months, I wish to be reappointed to continue my work with the commission's goal in the greening of the city of Rockville. I've enjoyed working with the commissioners and the sustainable building and energy working group. We've helped with writing the new building codes for the city and have reach out to the community to help preserve our green spaces and careful use and care of our streams.

What other information should be considered for your reappointment? (Examples: Ways in which you have personally contributed to the work of the Board or Commission; leadership roles you have held on behalf of the work of the group such as chair, head of a committee or task force) I would like to continue my role in helping the city of Rockville become one of the best "Green City" in the region. As a member of the Fallsmead HOA, I've helped the community improve its carbon foot print. We've planted 14 native trees and shrubs in the community park and encouraged the use of rain barrels and solar panels. I am also looking into the removal of turf with native planting in our community park for the fall of this year.

Please indicate here [x] yes or [] no whether or not the City may give elected officials who serve Rockville (other than the Mayor and Council) your name and address. This information will not be used for any fundraising or campaign mailings. No phone numbers will be given.

Please submit this information to: Mayor and Council c/o City Clerk's Office, 111 Maryland Avenue, Rockville, Maryland 20850. 240-314-8280

Thank you!

Dominique Lorang, Ph.D.
June 23, 2009

Home Address:
Rockville, MD 20854

Date of Birth: November 20, 1963
Place of Birth: France
Social Security#: 119-50-8445
Citizenship: USA
Marital Status: Married
Email: Lorangd@mail.nih.gov
Work number:
Cell phone:

Professional Education & Research Experience

March 2009- present, Biologist and ROB Maintenance Contract Specialist, Radiation Oncology Branch, Director Kevin Camphausen, MD, and PI Dee Dee Smart, MD., Ph.D., CCR, National Cancer Institute, NIH, Bethesda, MD 20892.

Sept 1999-March 2009, Biologist/Lab Manager, Steven K. Libutti Laboratory, Tumor Angiogenesis Section, Surgery Branch, CCR, National Cancer Institute, NIH, Gaithersburg, Maryland 20877.

July 1998- August 2000, IRTA Postdoctoral fellow, Steven K. Libutti's Laboratory, Tumor Angiogenesis Section, Surgery Branch, CCR, National Cancer Institute, NIH, Gaithersburg, Maryland.

July 1993- July 1995; Postdoctoral fellow in R. Simerly laboratory, Oregon Regional Primate Center, Oregon Health Science University.

July 1991- July 1993; Postdoctoral fellow in S.G. Amara laboratory, Vollum Institute, Oregon Health Science University.

May 1991- July 1991; Postdoctoral fellow in J.L. Roberts laboratory, Mount Sinai School of Medicine.

Sept 1986- May 1991; Graduate Student, Mount Sinai School of Medicine, Dept of Neurobiology, Sponsor- James L. Roberts, Ph.D.

Sept 1984- June 1986; Teaching Assistant, Barnard College, Physiological Psychology, sponsor- Christina L. Williams, Ph.D.

Sept 1981- June 1985; Undergraduate, Barnard College, Columbia University, B.A. awarded in Biology and Psychology.

Molecular Biology techniques:

Immunohistochemistry

Immunofluorescence

DNA methylation studies

Routine dissection for cryostat sectioning, formalin fixation and embedding in paraffin.

Transient and stable cell transfection

Genotyping by PCR amplification

LacZ and Alkaline Phosphatase staining

In Situ hybridization with cytochemical detection

Culture of primary cells

Real-time PCR

DNA and RNA isolation

Western, Southern and Northern blots

RNase Protection assays

Oligo microarray analysis of gene expression

RNA amplification

Confocal microscopy

Published manuscripts

Deciphering von Hippel-Lindau (VHL/Vhl)-associated pancreatic manifestations by inactivating Vhl in specific pancreatic cell populations. Shen HC, Adem A, Ylaya K, Wilson A, He M, Lorang D, Hewitt SM, Pechhold K, Harlan DM, Lubensky IA, Schmidt LS, Linehan WM, Libutti SK. *PLoS One*. 2009; 4(4).

Recapitulation of pancreatic neuroendocrine tumors in human multiple endocrine neoplasia type I syndrome via Pdx1-directed inactivation of Men1. Shen HC, He M, Powell A, Adem A, Lorang D, Heller C, Grover AC, Ylaya K, Hewitt SM, Marx SJ, Spiegel AM, Libutti SK. *Cancer Res*. 2009 Mar 1;69(5):1858-66. Epub 2009 Feb 10.

Tandle, A, Hanna E, Lorang D, Hajitou, A, Moya, Catherine, Pasqualini, R, Arap, W, Adem, A, Starker, E, Hewitt, S, and Libutti, S. Tumor Vasculature Targeted Delivery of Tumor Necrosis Factor-alpha. *Cancer, Cancer Res*. 2009 Mar 1;69(5):1858-66.

Kwon M, Hanna E, Lorang D, He M, Quick JS, Adem A, Stevenson C, Chung JY, Hewitt SM, Zudaire E, Esposito D, Cuttitta F, Libutti SK. Functional characterization of filamin a interacting protein 1-like, a novel candidate for antivascular cancer therapy. *Cancer Res*. 2008 Sep 15;68(18):7332-41.

Blansfield JA, Caragacianu D, Alexander HR 3rd, Tangrea MA, Morita SY, Lorang D, Schafer P, Muller G, Stirling D, Royal RE, Libutti SK.

Combining agents that target the tumor microenvironment improves the efficacy of anticancer therapy. *Clin Cancer Res*. 2008 Jan 1;14(1):270-80.

Mangiameli DP, Blansfield JA, Kachala S, Lorang D, Schafer PH, Muller GW, Stirling DI, Libutti SK. Combination therapy targeting the tumor microenvironment is effective in a model of human ocular melanoma. *J Transl Med*. 2007 Jul 18;5:38.

Rosen JE, Costouros NG, Lorang D, Burns AL, Alexander HR, Skarulis MC, Cochran C, Pingpank JF, Marx SJ, Spiegel AM, Libutti SK. Gland size is associated with changes in gene expression profiles in sporadic parathyroid adenomas. *Ann Surg Oncol*. 2005 May;12(5):412-6.

Mazzanti CM, Tandle A, Lorang D, Costouros N, Roberts D, Bevilacqua G, Libutti SK. ²Early genetic mechanisms underlying the inhibitory effects of endostatin and fumagillin on human endothelial cells. *Genome Res*. 2004 Aug;14(8):1585-93.

Feldman AL, Stetler-Stevenson WG, Costouros NG, Knezevic V, Baibakov G, Alexander HR Jr, Lorang D, Hewitt SM, Seo DW, Miller MS, O'Connor S, Libutti SK. Modulation of tumor-host interactions, angiogenesis, and tumor growth by tissue inhibitor of metalloproteinase 2 via a novel mechanism. *Cancer Res*. 2004 Jul 1;64(13):4481-6.

Minn AH, Kayton M, Lorang D, Hoffmann SC, Harlan DM, Libutti SK, Shalev A., Insulinomas and expression of an insulin splice variant. *Lancet*. 2004 Jan 31;363(9406):363-7.

Bourdeau I, Antonini SR, Lacroix A, Kirschner LS, Matyakhina L, Lorang D, Libutti SK, Stratakis CA. Gene array analysis of macronodular adrenal hyperplasia confirms clinical heterogeneity and identifies several candidate genes as molecular mediators. *Oncogene*. 2004 Feb 26;23(8):1575-85.

Miller WJ, Kayton ML, Patton A, O'Connor S, He M, Vu H, Baibakov G, Lorang D, Knezevic V, Kohn E, Alexander HR, Stirling D, Payvandi F, Muller GW, Libutti SK. A novel technique for quantifying changes in vascular density, endothelial cell proliferation and protein expression in response to modulators of angiogenesis using the chick chorioallantoic membrane (CAM) assay. *J Transl Med*. 2004 Jan 30;2(1):4.

Kayton ML, Costouros NG, Lorang D, Alexander HR, Hewitt SM, Cochran C, Shalev A, Harlan D, Skarulis MC, Gorden P, Libutti SK. Peak stimulated insulin secretion is associated with specific changes in gene expression profiles in sporadic insulinomas. *Surgery*. 2003 Dec;134(6):982-7; discussion 987-8.

Libutti SK, Crabtree JS, *Lorang D*, Burns AL, Mazzanti C, Hewitt SM, O'Connor S, Ward JM, Emmert-Buck MR, Remaley A, Miller M, Turner E, Alexander HR, Arnold A, Marx SJ, Collins FS, Spiegel AM. Parathyroid gland-specific deletion of the mouse ³Men1 gene results in parathyroid neoplasia and hypercalcemic hyperparathyroidism. **Cancer Res.** 2003 Nov 15;63(22):8022-8.

Oliver VK, Patton AM, Desai S, *Lorang D*, Libutti SK, Kohn EC. Regulation of the pro-angiogenic microenvironment by carboxyamido-triazole. **J Cell Physiol.** 2003 Oct;197(1):139-48.

Costouros NG, *Lorang D*, Zhang Y, Miller MS, Diehn FE, Hewitt SM, Knopp MV, Li KC, Choyke PL, Alexander HR, Libutti SK. Microarray gene expression analysis of murine tumor heterogeneity defined by dynamic contrast-enhanced MRI. **Mol Imaging.** 2002 Jul;1(3):301-8.

Feldman AL, Friedl J, Lans TE, Libutti SK, *Lorang D*, Miller MS, Turner EM, Hewitt SM, Alexander HR. Retroviral gene transfer of interferon-inducible protein 10 inhibits growth of human melanoma xenografts. **Int J Cancer.** 2002 May 1;99(1):149-53.

Nguyen, D.M., *Lorang D.*, Chen., A.G., Stewart, J.H., Tabibi, E. and Schrupp, D.S., Enhancement of Paclitaxel-mediated cytotoxicity in lung cancer cells by 17-allylamino geldanamycin (17-AGG): in vitro and in vivo analysis. Manuscript submitted to **Journal of Thoracic Surgery.** Feb. 2001.

Crabtree, J.S., Scacheri, P.C., Ward, J.W., Garret-Beal, L., Emmert-Buck, M.R., Edgemon, K.A., *Lorang D.*, Libutti, S.K., Chandrasekharappa, S.C., Marx, S.J., Spiegel, A.M., Collins, F.C. A mouse model of multiple endocrine neoplasia, type 1, develops multiple endocrine tumors. **PNAS.** 2001 Jan; 98(3): 1118-1123.

Feldman AL, Alexander HR, Hewitt SM., *Lorang D.*, Thiruvathukal CE, Turner EM, Libutti SK., Effect of retroviral endostatin gene transfer on subcutaneous and intraperitoneal growth of murine tumors. **Journal National Cancer Institute.** 2001 Jul 4;93 (13):965-7.

Boutillier AL, Gaiddon C, *Lorang D*, Roberts JL, Loeffler JP. Transcriptional activation of the proopiomelanocortin gene by cyclic AMP-responsive element binding protein. **Pituitary** 1998 Apr;1(1):33-43.

Simerly, R.G., Carr, A.M., *Lorang D.* Ovarian steroid regulation of estrogen and progesterone receptor messenger ribonucleic acid in the anteroventral periventricular nucleus of the rat. **J Neuroendocrinology** 1996 Jan; 8(1): 45-56.

Buck, K.J., *Lorang, D.*, Amara, S.G. Discrete structural domains and cell-specific expression determine functional selectivity of the dopamine and norepinephrine transporters. **NIDA Res Monogr** 1996; 161: 154-75.⁴

Boutiller, A.L., *Lorang, D.*, Lundblad, J.R., Roberts, J.L., Loeffler, J.P. Corticotropin-releasing hormone stimulates proopiomelanocortin transcription by cFos-dependent and independent pathways: characterization of an AP1 site in exon 1. **Mol. Endocrinology** 1995 Jun; 9(6): 745-55.

Lorang, D., Amara, S.G. and Simerly, R.B., Cell-type specific expression of catecholamine transporters in the rat brain. **J. Neuroscience** 1994, Aug; 14(8): 4903-14.

Roberts, J.L., Levin, N., *Lorang, D.*, Lundblad, J.R., Demer, S and Blum, M. Regulation of pituitary POMC gene expression. **Handbook Exp Pharmacology** 1992, 104:1-39.

Kilty, J., *Lorang, D.* and S.G. Amara. Cloning and expression of the cocaine-sensitive rat dopamine transporter. **Science** 1991, Oct 25; 254 (5031): 578-9.

Other relevant experiences:

Extensive experience remodeling kitchens and bathrooms. Including drywall, plumbing, tiling and painting.

Green Team Leader for the National Cancer Institute working in collaboration with the NIH Environmental Management System (NEMS) Sustainable Lab Practices Working Group. I have help implement the elimination of the use of the carcinogen ethidium bromide in all the cancer research labs at Advanced Technology Center and have implemented the use of Fisherpaks at NIH for the use of high volume chemicals to reduce waste and eliminate hazardous chemical inventory in individual labs.

I have helped write clinical protocols for the translational research developed in our lab. I have also reviewed many manuscripts for publication for several high impact journals.

My husband is an Army Reserve General, and as a Senior spouse, I have been involved in the Family Readiness Group to help families prepare for deployment to Iraq and Afghanistan.

Fallsmead Home Owners Association Board Member, Grounds and Maintenance Committee in charge of a community of approximately 300 homes located within the City of Rockville, Maryland and a seventeen-acre private park.

Scientific Management Training Course, June 30th, 2008. A 3-hr lecture taught by Tim Quibb focusing on personnel and project management. Offered by CCR, NCI.

Montgomery County Public High School Science Fair Judge, Fall 1999.
Fluent in French.